

USGS' RESEARCH INFLUENCE

ON KNOWLEDGE OF COAL TAR SEALANT POLLUTION

This research & more has led to bans for more than 47 million in US by 2023.

5 Minutes to Mortality

National Mag Lab

Damages Fish DNA

U of Lyon, USGS

Causes Fish Kills

ASU, WSU

EPA Confirms USGS Runoff Findings

EPA

Toxic to Amphibians, Benthics

Texas State, Austin

Env. Health

AMA Calls for Ending Use

AMA

Genetic Damage to Surrogates

U of Ottawa

Significant Exposure to Children

Baylor, USGS

Kids Exposed At School

AISD

Unsafe Stream Sediment

TCEQ

Human Health

US Dust Worse than Asia, Europe

NTU

Bans Reduce Urban PAHs

USGS

Nationwide Problem

USGS

Sediment Cleanup \$\$\$\$!

MPCA

NY Harbor Sediment Source

NYAS

Soil/Dust/Sediment

Unsafe For Workers

NIOSH

Contaminants 100K Times Greater in Air

Baylor et al.

Cancer Risk to Workers

NCSU

Off Gassing For Years

USGS

Air

Coal Tar chemicals are mobile, Mahler et al, (USGS), Austin, 2005

Coal Tar FREE AMERICA